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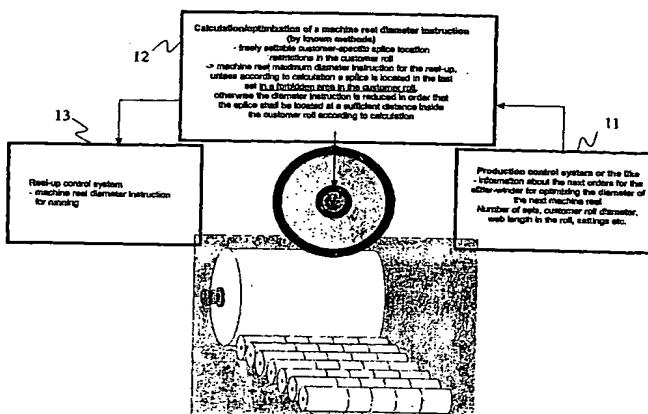
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*[Continued on next page]*

## (54) Title: METHOD FOR CALCULATING/OPTIMIZING THE DIAMETER OF A PAPER OR BOARD WEB REEL



(57) Abstract: The invention relates to a method for calculating/optimizing the diameter of a paper or board web reel, in which method a web is wound in paper or board machines into machine reels, which are run on a slitter-winder to form customer rolls, whose desired diameter and width are determined according to the customer's need, and in which method a continuous-trimming running mode is used in which a desired amount of web is run into a machine reel and, when needed, splicing is performed on the slitter-winder to produce customer rolls with a desired diameter size. In the method, the machine reel diameter is determined on the basis of restrictions set by the customer or equivalent on the location of a splice in the customer roll and the amount of the broke being produced from the machine reel is optimized. In the method, information about the customer rolls to be slit is obtained from a production control system or equivalent for calculating/optimizing a machine reel diameter instruction for the purpose of optimizing the diameter of the next machine reel, and the calculated/optimized machine reel diameter instruction is set in the control system of a reel-up.

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